COMPLETE LIST OF CLAIMS

Please amend Claim 1 as follows. Please cancel Claim 5. Claims 6-19 were previously withdrawn due to an election restriction.

- 1. (Currently Amended) A flexible circuit, comprising:
 - a substrate having at least one opening;
 - an electrical conductor bonded to a first surface of said substrate;
- a first cover layer bonded to said first surface of said substrate and to said electrical conductor; and

a second cover layer bonded to a second surface of said substrate and to said first cover layer through said at least one opening, wherein said at least one opening is located in an environmentally stressed region.

- 2. (Original) The flexible circuit according to Claim 1, wherein said substrate comprises a polymer.
- 3. (Original) The flexible circuit according to Claim 1, wherein said electrical conductor comprises a metallic conductor.
- 4. (Original) The flexible circuit according to Claim 1, wherein said first and second cover layers comprise a polymer.
- 5. (Cancelled)
- 6. (withdrawn) A method of fabricating a laminate encapsulated flexible circuit, comprising:

bonding an electrical conductor to a first surface of a substrate;

forming an opening in said substrate;

bonding a first cover layer to said first surface of said substrate; and

200310509-1 Serial No.: 10/759,363 Examiner: Nguyen, Hoa Cao 2 Group Art Unit: 2841 bonding a second cover layer to a second surface of said substrate and to said first cover layer through said opening.

7. (withdrawn) The method according to Claim 6, wherein bonding said electrical

conductor to said first surface of a substrate comprises:

depositing a metal film on said first surface of said substrate;

photoengraving said metal film to form a pattern for said electrical conductor;

and

electroplating said metal film to form said electrical conductor.

8. (withdrawn) The method according to Claim 6, wherein bonding said electrical

conductor to said first surface of a substrate comprises:

laminating a conductive foil to said first surface of said substrate; and

photoengraving said conductive foil to form said electrical conductor.

9. (withdrawn) The method according to Claim 6, wherein forming said opening

comprises cutting said substrate to form an opening proximate an edge of said flexible

circuit in an environmentally stressed region.

10. (withdrawn) The method according to Claim 6, wherein bonding said first cover

layer comprises:

contacting a first film of polymer to said first surface of said substrate; and

curing said first film, wherein said first film bonds to said substrate.

11. (withdrawn) The method according to Claim 10, wherein bonding said second

cover layer comprises:

contacting a second film of polymer to said second surface of said substrate and

to said first cover layer through said opening; and

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curing said second film at the same time as said curing said first film, wherein said second film bonds to said substrate and to said first film through said opening.

12. (withdrawn) A method of fabricating flexible circuits, comprising:

forming an electrical conductor on a first surface of a substrate of polyimide, for each flexible circuit;

forming an opening in said substrate, for each flexible circuit;

bonding a first film of polymer to said first surface of said substrate;

bonding a second film polymer to a second surface of said substrate and to said first film through said opening;

patterning first and second films to form a first and second cover layers for each flexible circuit; and

cutting said substrate outside and patterned first and second cover layers and said first and second cover layers within said opening, wherein said flexible circuits are singulated.

13. (withdrawn) The method according to Claim 12, wherein said forming said electrical conductor comprises:

depositing a conductive film on said first surface of said substrate; and photoengraving said conductive film to form a trace.

- 14. (withdrawn) The method according to Claim 13, wherein said photoengraving said conductive film further forms a contact pad at a first end of said trace and a beam at a second end of said trace.
- 15. (withdrawn) The method according to Claim 13, wherein said conductive film is comprised of copper.

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16. (withdrawn) The method according to Claim 13, wherein said opening is located proximate a wicking susceptible region of each flexible circuit.

17. (withdrawn) The method according to Claim 13, wherein said opening is located proximate a de-bonding susceptible region of each flexible circuit.

18. (withdrawn) The method according to Claim 13, wherein bonding said first cover layer comprises:

contacting said first film to said first surface of said substrate; and curing said first film, wherein said first film bonds to said substrate.

19. (withdrawn) The method according to Claim 19, wherein bonding said second cover layer comprises:

contacting said second film to said second surface of said substrate and to said first film through said opening; and

curing said second film, wherein said second bonds to said substrate and to said first film through said opening.

REMARKS

A complete list of the claims is included with this response. Therefore, Applicants believe that the non-compliance has been addressed.

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